

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
240052.429APPLICATION NO.
09/173,463

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT
Margaret E. BlackFILING DATE
October 14, 1998GROUP ART UNIT
1635

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CJJ	AA 4,851,341	07/25/89	Hopp et al.	435	68	
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

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FEB 03 2000

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
CJJ	AL	WO 95/14102	05/26/95	PCT		
CJJ	AM	WO 95/30007	11/09/95	PCT		
CJJ	AN	WO 96/06176	02/29/96	PCT		
CJJ	AO	WO 97/29196	08/14/97	PCT		X
CJJ	AP	WO 97/35024	09/25/97	PCT		X

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CJJ	AQ	Balasubramaniam et al., "Herpesviral deoxythymidine kinases contain a site analogous to the phosphoryl-binding arginine-rich region of porcine adenylate kinase; comparison of secondary structure predictions and conservation," <i>Journal of General Virology</i> 71: 2979-2987, 1990.
CJJ	AR	Black and Hruby, "Identification of the ATP-binding Domain of Vaccinia Virus Thymidine Kinase," <i>The Journal Of Biological Chemistry</i> 265(29): 17584-17592, 1990.
CJJ	AS	Black and Loeb, "Identification of Important Residues within the Putative Nucleoside Binding Site of HSV-1 Thymidine Kinase by Random Sequence Selection: Analysis of Selected Mutants <i>in Vitro</i> ," <i>Biochemistry</i> 32: 11618-11626, 1993.

EXAMINER

DATE CONSIDERED

Christian J. Jensen

6/28/00

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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C27	AC	Black et al., "Creation of drug-specific herpes simplex virus type 1 thymidine kinase mutants for gene therapy," <i>Proc. Natl. Acad. Sci. USA</i> 93: 3525-359, 1996.
C27	AD	Hardy et al., "Atomic Structure of Thymidylate Synthase: Target for Rational Drug Design," <i>Science</i> 235: 448-455, 1987.
C27	AE	Hopp et al., "A Short Polypeptide Marker Sequence Useful For Recombinant Protein Identification And Purification," <i>Bio/Technology</i> 6: 1204-1210, 1988.
C27	AF	Knoll et al., "Mapping of the active site of T7 RNA polymerase with 8-azidoATP," <i>Biochimica et Biophysica Acta</i> 1121: 252-260, 1992.
C27	AG	McKnight, "The nucleotide sequence and transcript map of the herpes simplex virus thymidine kinase gene," <i>Nucleic Acids Research</i> 8(24): 5949-5964, 1980.
C27	AH	Montfort et al., "Structure, Multiple Site Binding, and Segmental Accommodation in Thymidylate Synthase on Binding dUMP and an Anti-Folate," <i>Biochemistry</i> 29: 6964-6977, 1990.
C27	AI	Munir et al., "Permissible Amino Acid Substitutions within the Putative Nucleoside-binding Site of Herpes Simplex Virus Type 1 Established by Random Sequence Mutagenesis," <i>The Journal Of Biological Chemistry</i> 267(10): 6584-6589, 1992.
C27	AJ	Munir et al., "Thymidine kinase mutants obtained by random sequence selection," <i>Proc. Natl. Acad. Sci. USA</i> 90: 4012-4016, 1993.
C27	AK	Sanderson et al., "Purification and Crystallization of Thymidine Kinase from Herpes Simplex Virus Type 1," <i>J. Mol. Biol.</i> 202: 917-919, 1988.
	AL	

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